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ERIC Form 1

"PHYSICAL EDUCATION FOR COLLEGE MEN," IV-20

Tabulated 12/30/58 by
Richard J. Donnelly.
University of Minnesota

The following information on physical education for college men was compiled from a questionnaire survey sent to directors of physical education for men of 124 colleges and universities. Completed questionnaires were received from 82 schools. The information is based on data current for the Spring Semester (or Quarter as the case may be) 1958.

In order to facilitate comparisons and to make the results have more meaning the schools were divided into four categories based upon the level of their professional program offered in physical education. These four categories were further subdivided into two groups--schools with a physical education research laboratory and schools without one. The number of responding schools in the different categories and subgroups are as follows:

	Lab	No Lab	Total
a. Schools with no professional program in physical education	0	3	3
b. Schools with a bachelor's program in physical education	1	9	10
c. Schools with a bachelor's and a master's program in physical education	10	30	40
d. Schools with a doctor's, master's, and bachelor's program in physical education	16	13	29
Totals	27	55	82

The results are next presented following the structure in the questionnaire and using the classification system just described on those questions to which it can be applied with meaning.

PART I ADMINISTRATIVE ORGANIZATION

QUESTION 1. DOES YOUR INSTITUTION HAVE A SEPARATE SCHOOL OR COLLEGE OF PHYSICAL EDUCATION?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes		1	1	2		6	2	12
Number Schools Checking No	3		8	8	30	10	11	70

If response to "1" is Yes, please answer the following questions.

a. & b. Exact titles of Colleges and Schools with year established?

1921 - College of Physical Education
1931 - College of Physical Education and Athletics
1932 - College of Physical Education
1946 - College of Physical Education and Health
1949 - College of Physical Education, Recreation and Health
1954 - College of Recreation, Physical and Health Education, and Athletics
1920 - School of Health and Physical Education
1937 - School of Physical Education and Athletics
1946 - School of Health, Physical Education, and Recreation
1946 - School of Physical Education, Recreation, and Athletics
1949 - School of Physical Education
1954 - School of Physical Education

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Office of Education

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c. For what departments does it have responsibility? Only an enumeration is made of these with the department title given first followed by the number of schools listing such a department. Recreation 7, Health Education 7, Physical Education 5, Physical Education for Men 4, Physical Education for Women 4, Intramurals 3, Health and Safety Education 2, Required Physical Education for Men 2, Required Physical Education for Women 2, Professional Curriculum 2, Intercollegiate Athletics 2, Health and Physical Education 1, Required Physical Education for Men and Women 1, Athletic Professional Training 1, Normal College of American Gymnastic Union 1, Bureau of Research and Service 1, Liberal Arts and Sciences 1.

QUESTION 2. IF ANSWER TO "1" IS NO, IN WHAT SCHOOL OR COLLEGE OR DIVISION IS PHYSICAL EDUCATION?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
College of Education or Teachers College[a]			1	2	7	4	5	19
School of Education				3	4	1		8
College of Literature, Science, and Arts	2		3	1	6			12
Liberal Arts College with title different than LS&A, such as Liberal Arts, or Liberal Arts and Sciences, or Sciences and Applied Arts, or Arts and Sciences[b]			2	1	5			8
Combination[c]			1		4	4	4	13
Department or Division[d]			1	1	4			6
Other[e]	1					1	2	4

[a] Included herein are two schools with a Division of Education.

[b] Included herein is one school with a Science Division.

[c] The most frequent combination was the School or College of Education with the Liberal Arts College of LSA etc.; however, one combination was between the Division of Physical Education and Athletics and the Graduate School and two were the College of Education and the Department of Physical Education and Athletics.

[d] This refers to a separate autonomous Division or Department of Physical Education directly responsible to the President. Examples of titles are as follows: Department of Physical Education; Division in Health and Physical Education; Division of Health, Physical Education, and Recreation; Department of Health, Physical Education, and Recreation; Division in Physical Education and Athletics.

[e] This category includes those schools in which physical education is placed in a college, department, or division with an unusual title including the following: Special Services; General Instruction; Department of Athletics; College of Applied Arts.

	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
QUESTION 3. IS THE DEPARTMENT OF PHYSICAL EDUCATION FOR MEN SEPARATE FROM THE DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN?								
Number Schools Checking Yes	3		3	5	13	8	8	40
Number Schools Checking No		1	6	4	16	8	4	39
QUESTION 4. IS THE DEPARTMENT OF PHYSICAL EDUCATION FOR MEN DIRECTLY CONNECTED ADMINISTRATIVELY WITH THE INTERCOLLEGIATE ATHLETIC DEPARTMENT?								
Number Schools Checking Yes	1		4	2	13	5	7	32
Number Schools Checking No	2	1	5	8	16	11	6	49
PART II PROGRAM								
QUESTION 5a. IS SERVICE PROGRAM REQUIRED FOR ALL MEN STUDENTS?								
Number Schools Checking Yes	3	1	7	7	21	11	8	58
Number Schools Checking No			1	2	3	3	1	10
Number Schools Checking Other			1	1	6	2	4	14
NOTE: Other means physical education is required in some but not all schools or colleges of the university.								
QUESTION 5b. LENGTH OF PHYSICAL EDUCATION REQUIREMENT?								
Number Schools Checking 1 yr (or 2 sem. or 3 qtrs.)	1	1	4	4	8	3	3	24
Number Schools Checking 2 yrs (or 4 sem. or 6 qtrs.)	2		4	2	19	8	6	41
Number Schools Checking Other[f]				2		2	3	7

[f] These seven institutions had a different requirement each of which follows separately: 4 yrs; 6 qtrs. or ROTC; 5 qtrs plus 1 qtr of Health; 1 yr but can substitute military after 1 qtr; 2 qtrs; 2 yrs in one college and 1 yr in another; until student meets standards of physical fitness and proficiency in six sports.

QUESTION 5c. ENROLLMENT OF MEN FOR CURRENT SEMESTER OR QUARTER IN SERVICE PROGRAM?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Range (Enrollment per school)	681 to 1196		360 to 3000	800to 2403	165 to 3750	80 to 4200	609 to 4227	80 to 4227
Median (Enrollment per school)	938.5		950	1700	675	2475	1275	1025
QUESTION 5d. NUMBER OF PERIODS PER WEEK SERVICE CLASSES MEET AND THEIR LENGTH?								
Number Schools Checking Three periods per wk and periods 45 min to 1 hr	2	1	2	6	12	8	5	36
Number schools checking Two periods per wk and periods 45 min to 1 hr	1		4	3	12	5	5	30
Number schools checking Other [g]			2		4	1	2	9

[g] These are schools with a different schedule pattern such as follows:

4 one-hour periods per wk
2 75-min. periods per wk
2 90-min. periods per wk
2 two-hour periods per wk
1 one-hour period per wk
1 50-min. period per wk
2 or 3 50-min. periods per wk

QUESTION 5e. IS CREDIT GIVEN FOR SERVICE PHYSICAL EDUCATION CLASSES AND IF "YES" HOW MANY CLASS HOURS PER WEEK ARE REQUIRED FOR ONE CREDIT HOUR?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number schools checking Yes that require 3 class hours per wk for one credit	1		2	5	11	5	6	28
Number schools checking Yes that require 2 class hours per wk for one credit	1		2	2	9	4	3	20
Number schools checking Yes Other[h]			2		7	3	3	15
Number schools checking No[i]			2	2	1	2		7

[h] In this group are schools that use one of the following patterns for figuring credit: 2 hrs per wk for ½ cr; 4 hrs per wk for 1 cr; 2 hrs per wk for 1 yr for 1 cr; 1 hr per wk for ½ cr; 3 hrs per wk for ½ cr; 5 hrs per wk combined with ROTC.

[i] Not included in this group answering "No" are the 7 schools that do not have a service program. There were 5 schools that did not answer this question.

QUESTION 6. HOW MANY MEN STUDENTS ARE ENROLLED FOR THE CURRENT SEMESTER OR QUARTER IN THE FOLLOWING PROFESSIONAL FIELDS?		Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Overall Totals
		Lab	No Lab	Lab	No Lab	Lab	No Lab	
Bachelor's Level in Physical Education	Total Number of Students	90	712	1270	4223	2908	1787	10,990
	(Students) Range (per school)		54-143	93-250	10-450	76-142	40-340	10-642
	(Students) Median (per school)	90	82	115	109	154	118	110
Master's Level in Physical Education	Total Number of Students			129	634	1138	398	2299
	(Students) Range (per school)			7-34	2-152	17-325	4-75	2-325
	(Students) Median (per school)			12	10	39	35	17
Doctor's Level in Physical Education	Total Number of Students					367	51	418
	(Students) Range (per school)					2-62	2-10	2-62
	(Students) Median (per school)					26	5	9
Bachelor's Level in Health Education	Total Number of Students		1	12	208	103	8	332
	(Students) Range (per school)			4-8	3-120	1-50	1-5	1-120
	(Students) Median (per school)			6	20	4	2	5
Master's Level in Health Education	Total Number of Students			2	14	59	4	79
	(Students) Range (per school)				5-9	2-22		2-22
	(Students) Median (per school)				7	8		7
Doctor's Level in Health Education	Total Number of Students					14	4	18
	(Students) Range (per school)					1-9		1-9
	(Students) Median (per school)					2		2
Bachelor's Level in Recreation Education	Total Number of Students			48	80	273	195	596
	(Students) Range (per school)			4-22	3-33	10-70	6-109	3-109
	(Students) Median (per school)			10	8	25	11	15
Master's Level in Recreation Education	Total Number of Students			17	10	61	42	130
	(Students) Range (per school)			1-9		2-16	1-16	1-16
	(Students) Median (per school)			7		13	7	7
Doctor's Level in Recreation Education	Total Number of Students					13	3	16
	(Students) Range (per school)					2-5		2-5
	(Students) Median (per school)					3		3

QUESTION 7. WHAT DEGREES ARE OFFERED IN PHYSICAL EDUCATION AT YOUR INSTITUTION?

For answer, see breakdown in second paragraph on page one of this summary.

QUESTION 8. WHAT ARE THE PREREQUISITES THAT YOU REQUIRE FOR ADMISSION TO YOUR MASTER'S PROGRAM IN PHYSICAL EDUCATION?

This question is difficult to answer only by tabulated frequencies. Hence, the tables will be supplemented by discussion.

Table I

Prerequisites for Admission to the Master's Program in Physical Education

Prerequisite[1]	Schools Offering Master's Program	Schools Offering Masters and Doctors	Total
Undergraduate Major in Physical Education	19	16	35
Undergraduate Minor in Physical Education	17	11	28
Semester hours in Physical Education	3	1	4

[1] There were other prerequisites required in addition to these. In Table I the undergraduate minor category includes some schools that require more than a minor but less than a major. This usually was the minor plus certain extra and specifically designated courses.

As for additional prerequisites, the grade point average was the one most often considered. Twenty-six of the 35 schools requiring the undergraduate major listed a specific undergraduate grade point average as being a necessary prerequisite for admission to the master's program, while 21 of the 28 schools requiring the minor as a prerequisite also specified a minimum grade point average. Other types of prerequisites include a preliminary or entrance examination (3 schools), a major comparable to one's own (2 schools), a major with certain designated courses in it (2 schools), ability to demonstrate a variety of skills (1 school), and a letter of recommendation (1 school).

Table II

Grade Point Average Required for Admission to Master's Program in Physical Education

Grade Point Average	Schools Offering Master's Program	Schools Offering Master's and Doctor's	Total
Better than B		2	2
B ave. or 2.0 on 3.0, or 3.0 on 4.0	6	9	15
Above 1.6 on 3.0 or 2.6 on 4.0	4	2	6
1.5 on 3.0 or 2.5 on 4.0	11	7	18
C+ or better		3	3
C or better	4		4
Miscellaneous (i.e., 70% or 4.3 with C = 4.0	2		2

The figures in Table II indicate that the schools offering a doctoral program in physical education have higher requirements for entrance into their Master's program than do those schools offering the master's as their highest degree in physical education. The lowest average accepted was a "C" and the highest required was a 3.5 on a 4.0 scale.

QUESTION 9. WHAT ARE THE PRE-REQUISITES FOR ADMISSION TO YOUR DOCTORAL PROGRAM IN PHYSICAL EDUCATION?	Schools With a Research Laboratory N = 16	Schools Without a Research Laboratory N = 13	Total N = 29
Master's Degree	12	9	21
Master's or Equivalent	2	1	3
Master's Thesis	4		4
Master's Thesis or Thesis Equivalent	7	2	9
Grade Point Average	13	11	24
Exam	4	1	5
Undergraduate and Graduate Major	1	1	2
Examine Professional Record	1		1
Letter of Recommendation	1	1	2
Successful Teaching Experience	1		1

Table III

Grade Point Average Required for Admission to Doctoral Program in Physical Education

Grade Point Average	Schools With a Research Laboratory	Schools Without a Research Laboratory	Total
Better than a B (e.g. 3.5 on 4.0, or ½ A's etc.)	4	3	7
B average, or 3.0 on 4.0 or 2.0 on 3.0	7	6	13
2.7 on 4.0	1		1
2.5 on 4.0 or 1.5 on 3.0	2	1	3

QUESTION 10. DO YOU HAVE SPECIALIZED PROGRAMS AT THE BACHELOR'S LEVEL?	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes	1	3	4	6	11	6	31
Number Schools Checking No		6	6	24	5	7	48

The specialized programs offered by the schools answering Yes are given followed by the number of schools listing such specialization: Physical Education 26, Recreation 23, Health Education 13, Health and Safety Education 2, Safety Education 1, Coaching 4, Pre-Professional Physical Therapy 3, Physical Therapy 3, Corrective or Special Therapy 2, Recreational Therapy 1, Dance 3, Elementary Physical Education 1, Physical Education in Secondary Schools 1, Community Secretary 1, Church Secretary 1.

QUESTION 11. DO YOU HAVE SPECIALIZED PROGRAMS AT THE MASTER'S LEVEL?	Schools With Master's Program		Schools With Doctor's Program		Total
	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes	2	2	14	7	25
Number Schoold Checking No	8	28	2	6	44

The specialized programs offered by the schools answering Yes are given followed by the number of schools listing such specialization: Recreation (or Recreation Administration) 23, Physical Education 16, Health Education 11, Health and Physical Education 2, Administration of Physical Education 3, Corrective Physical Education 2, Physical Therapy 2, Dance 2, Elementary Physical Education 1, Junior and Senior High Physical Education 1, Growth and Development 1, Physiological Science 1, History and Philosophy 1, Administration and Curriculum 1, Research 1, Supervision 1, Secretary 1, Hospital Recreation 1.

QUESTION 12. DO YOU HAVE SPECIALIZED PROGRAMS AT THE DOCTOR'S LEVEL?	Schools With Doctor's Program		
	Lab	No Lab	Total
Number Schools Checking Yes	8	5	13
Number Schools Checking No	8	8	16

The specialized programs offered by the schools answering Yes are given followed by the number of schools listing such specialization: Recreation 8, Physical Education 6, Health Education 6, Administration of Physical Education 3, Corrective Physical Education 2, Health and Safety Education 2, Elementary Physical Education 2, Research 2, Physical Therapy 1, Safety Education 1, Junior and Senior High Physical Education 1, Growth and Development 1, Dance 1, and Supervision 1.

QUESTION 13. IS A RESEARCH REQUIREMENT (THESIS OR RESEARCH REPORT) COMPULSORY OR OPTIONAL AT THE MASTER'S LEVEL?	Schools With Master's Program		Schools With Doctor's Program		
	Lab	No Lab	Lab	No Lab	Total
Number Schools Checking Compulsory	7	11	8	5	31
Number Schools Checking Optional	3	19	8	8	38

QUESTION 14. HOW MANY MASTER'S STUDENTS DO YOU HAVE WORKING ON A THESIS OR RESEARCH REPORT AT THE PRESENT TIME?		Schools With Master's Program		Schools With Doctor's Program		
		Lab	No Lab	Lab	No Lab	Total
Thesis Note: 24 schools of 69 reported no students working on a thesis.	Total Number of Students	72	97	606	155	930
	(Students) Range (per school)	6-25	1-23	4-400	2-60	1-400
	(Students) Median (per school)	10	3	28	6	7
Research Report Note: 34 schools of 69 reported no students working on a research report.	Total Number of Students	54	98	211	113	476
	(Students) Range (per school)	1-19	1-25	1-75	5-68	1-75
	(Students) Median (per school)	5	3	18	20	5

Out of the total 69 schools, 8 of them had no students working on either a research report or master's thesis.

QUESTION 15. HOW MANY DOCTORAL STUDENTS DO YOU HAVE WORKING ON A DISSERTATION AT THE PRESENT TIME?	Schools With Doctor's Program		Total
	Lab	No Lab	
Total Number of Students	261	60	321
Range (Students per school)	2-60	2-23	2-60
Median (Students per school)	16	3	8

Note: Only one school with a lab had no students working on a dissertation while three schools without a lab had no students so working.

QUESTION 16. ARE YOU ADDING ANY GRADUATE COURSES FOR 1958-59?	Schools With Master's Program		Schools With Doctor's Program		Total
	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes	3	9	3	5	20
Number Schools Checking No	7	21	13	8	49
Note: 12 schools added one course, 6 schools two courses, and 2 schools one course.					
QUESTION 17. HAVE YOU ADDED ANY OTHER GRADUATE COURSES SINCE JUNE 1955?					
Number Schools Checking Yes	7	14	12	7	40
Number Schools Checking No	3	16	4	6	29
Note: Number of courses added ranged from one to five. Two schools started a master's program.					
QUESTION 18. HAVE YOU DROPPED ANY GRADUATE COURSES SINCE JUNE, 1955?					
Number Schools Checking Yes	4	3	2		9
Number Schools Checking No	6	27	14	13	60
Note: The number of courses dropped ranged from one to four with one the most frequent.					
QUESTION 19. HAVE YOU REORGANIZED YOUR GRADUATE PROGRAM WITHIN THE LAST FIVE YEARS?					
Number Schools Checking Yes	7	7	8	6	28
Number Schools Checking No	3	23	8	7	41

Question 19 cont'd.

One school reported that they dropped their graduate program entirely. A brief notation of what the schools did in reorganizing their graduate program is given and is followed by the number of schools taking this action: Made certain courses required 4, Currently in the process of reorganizing program 3, Added and dropped courses 2, Started entire graduate program 2, Added doctoral program 1, Shortened M.S. to one year 1, Revised seminar procedure 1, Set up areas of concentration 1, Required graduate students who were not own undergraduates to t[illegible]h one service course under supervision 1, Improved administrative procedures 1, Program shifted from Graduate School to College of Education 1, Courses status changed (made some former grad courses for undergrads only and other courses for grads only) 1, Obtained new administrative heads (Dean and Associate Dean) 1, Set up examinations 1, Strengthened thesis supervision 1, Thesis requirement made optional 1, Inserted more specific requirements 1, Guidance improved 1.

QUESTION 20. DO YOU CONTEMPLATE REORGANIZING YOUR GRADUATE PROGRAM WITHIN THE NEXT FIVE YEARS?	Schools With Master's Program		Schools With Doctor's Program		
	Lab	No Lab	Lab	No Lab	Total
Number Schools Checking Yes	8	23	11	9	51
Number Schools Checking No	2	7	5	4	18

QUESTION 20a. IF ANSWER TO QUESTION 20 IS YES, WHEN DO YOU ANTICIPATE DOING THIS?	A total of 9 schools indicated it was too early to tell; 6 schools stated that their program was under continuous study; 8 schools revealed that their program was currently being revised; 6 schools gave the date as 1960 or later; and the remaining 22 said next year (1958-59) or the year after (1959-60).

QUESTION 20b. IF ANSWER TO QUESTION 20 IS YES, WHAT CHANGES ARE VISUALIZED AT THIS TIME?

Two schools with only a bachelor's program expressed an intention of adding a master's program in physical education. The changes anticipated follow together with the number of schools reporting such action: Don't know or too early to specify 13; More courses 9; Add doctoral program 5; More staff 3; Add research laboratory 3; Revise courses 2; Appoint one staff member to head master's program and one to head doctoral program 1; Complete revision toward movement pattern with emphasis in doctoral preparation 1; Offer more complete major at master's level 1; Offer specialist degree 1; Add master's in recreation 1; Develop specific majors in health education, physical education, and recreation education 1; Add new sequences of study 1; Add and drop courses 1; More opportunity for research including the addition of a research man 1; Add research laboratory 1; Add graduate assistants 1; Add internship for graduate students 1; Increase reserach activities 1; Add M.S. in physical education 1; Offer doctoral level courses 1; Revise doctoral program 1; Evaluate present program 1; Review structure, policies, and procedures of graduate division 1; Restudy policies 1; Raise staff standards 1; Define and raise dissertation standards 1; Develop new qualifying exam 1; Raise admission standards 1; Establish admission criteria 1; Require written comprehensives 1; Move from College of Arts and Science to College of Education 1; Add a School of Physical Education 1.

PART III STAFF

QUESTION 21. HOW MANY GRADUATE ASSISTANTS ARE ASSIGNED TO THE FOLLOWING RESPONSIBILITIES FOR 1957-58?		Schools With Master's Program		Schools With Doctor's Program		
		Lab	No Lab	Lab	No Lab	Total
a. Teaching in the undergraduate major program:	Total Number of Schools Having Assts.	1	4	4	3	12
	Total Number of Assistants	1	7	12	6	26
	(Assistants) Range (per school)		1-3	1-5	1-3	1-5
	(Assistants) Median (per school)		1.5	3	1	1.5
b. Teaching in service or required program:	Total Number of Schools Having Assts.	7	20	13	11	51
	Total Number of Assistants	32	65	147	44	288
	(Assistants) Range (per school)	2-8	1-7	1-42	1-11	1-42
	(Assistants) Median (per school)	2	3	9	3	4
c. Assisting in intramural program:	Total Number of Schools Having Assts.	4	12	10	5	31
	Total Number of Assistants	8	21	23	5	57
	(Assistants) Range (per school)	2-2	1-3	1-6	1-1	1-6
	(Assistants) Median (per school)	2	2	2	1	2
d. Research lab assistant:	Total Number of Schools Having Assts.	3	1	13	3	20
	Total Number of Assistants	5	1	47	3	56
	(Assistants) Range (per school)	1-2	1	1-24	1	1-24
	(Assistants) Median (per school)	2	1	2	1	1.5
e. Assistant to Staff Members:	Total Number of Schools Having Assts.	1	4	5	2	12
	Total Number of Assistants	2	5	23	5	35
	(Assistants) Range (per school)	2	1-2	1-10	1-4	1-10
	(Assistants) Median (per school)	2	1	5	2.5	2
f. Administrative Assistant to Dean or Department Head.	Of these, one school had three, one school had two, and seven schools had one each.					

Question 21 cont'd.

g. Other: Under this heading ten schools reported graduate assistants totaling 35 in number. Duties of these assistants were reported as follows: Freshmen and Assistant Coaches (11), Recreation (7), Administrative Assistants in Research Room (3), Health Education (3), Service Program and Intramurals (3), Pool (2), Driver Education (1), Adapted Program (1), Assist Critic Teacher (1), and Miscellaneous (3).

		Schools With Master's Program		Schools With Doctor's Program		
		Lab	No Lab	Lab	No Lab	Total
X Grand Total of Graduate Assistants	Total Number of Schools Having Assts.	10	25	15	12	62
	Total Number of Assistants	67	111	262	72	512
	Range (Assistants per school)	2-18	1-12	3-56	1-16	1-56
	Median (Assistants per school)	5	4	12.5	4.5	5

X This is not an entirely adequate representation because the type of appointment varies from 1/4 to 1/3 to 1/2 time; hence, a more valid picture is obtained by converting these to full-time equivalents. This is done under question 23 (see page 14 of this report).

QUESTION 22. HOW MUCH MONEY HAVE YOU SPENT ON GRADUATE ASSISTANTS IN 1957-58?		Schools With Master's Program		Schools With Doctor's Program		
		Lab	No Lab	Lab	No Lab	Total
	Range (amount per school)	$2,000 to $13,400	$600 to $12,800	$1,700 to $40,000	$999 to $22,470	$600 to $40,000
	Median (amount per school)	$2,700	$2,475	$15,200	$3,600	$3,600
How much in 1958-59?	Range (amount per school)	$2,000 to $13,400	$500 to $13,200	$2,800 to $40,000	$999 to $33,600	$500 to $40,000
	Median (amount per school)	$3,500	$3,275	$15,100	$3,600	$4,800

QUESTION 23. WHAT WAS THE NUMBER OF GRADUATE ASSISTANTS, TYPE OF APPOINTMENT, WORK LOAD, COURSE LOAD PERMITTED, AND STIPEND FOR ACADEMIC YEAR 1957-58?

The total number of graduate assistants is listed in the table at the end of the answer to question 21 (see page 13 of this report), while the number of graduate assistants converted to full-time equivalents is given at the end of this answer.

Note: Some of the schools did not furnish all of the information necessary to answer these questions. The following is based upon data received.

Type of Appointment	Number of Grad Assts Employed	Work Load in hrs per wk	Course Load Grad Asst May Carry	Stipend for Academic Year
¼ time 29 schools had graduate assts in this category	Total N of Grad Assts = 188 Range = 1-45 Median = 4 Mean = 6.5	Range = 4-18 hrs Median = 10 hrs (also one school 6-8 hrs, one 8-10 hrs, and one 6 for teaching & 12 for other)	11 schools-full load 10 schools - 3/4 3 schools - 1/2 1 school - 4/5	Range = $300 to $1600 Median = $900 Mean = $1491 (also two schools $900-$1000; one $800-$1200, one $500-$1800)
½ time 30 schools had graduate assts in this category	Total N of Grad Assts = 162 Range = 1-20 Median = 3 Mean = 5.4	Range = 8-22 hrs Median = 12 hrs (also one school 16-18 hrs)	12 schools - 1/2 4 schools - 2/3 4 schools-full load 3 schools - 3/4 3 schools - 4/5 1 school - 3/5	Range = $600 to $2500 Median = $1375 Mean = $1384 (also one school $1230-$2500; one $1800-$2000; one $1600-$1800, one with $1400 maximum, and one with $1800 maximum)
1/3 time 6 schools	Total N of Grad Assts = 30 Range = 1-12 Median = 3.5 Mean = 5	Range = 6-15 hrs Median = 11 hrs	2 schools - 3/4 1 school - 4/5 1 school - 2/3	Range = $810-$1800 Median = $1300 Mean = $1285
1/8 time 1 school	4	3 hrs	Full load	$375
3/5 time 1 school	2	18 hrs		$3000
3/8 time 1 school	1	6 hrs	1/2	$450

GRADUATE ASSISTANTS CONVERTED TO FULL-TIME EQUIVALENTS

	Schools With Master's Program		Schools With Doctor's Program		Total
	Lab	No Lab	Lab	No Lab	
Range (full-time equivalents per school)	2/3-4	1/4-4	1/2-16¼	1/4-6	1/4-16¼
Median (full-time equivalents per school)	1	1	4.3	1	1¼

Note: One Full-Time Equivalents was obtained by letting four quarter-time appointments equal one full-time person, or two half-time equal one, etc.

QUESTION 24. HOW MANY FULL-TIME MEN FACULTY MEMBERS (NOT COUNTING GRADUATE ASSISTANTS) ARE WORKING IN VARIOUS PHASES OF YOUR PROGRAM?

Because of the variation in administrative structure of different schools, the results on this question were too complicated to tabulate and are not given here.

QUESTION 25. WHAT ARE THE DEGREES HELD BY FULL-TIME MEN FACULTY MEMBERS?		Schools With No Prof Program	Schools with Bachelor's Program		Schools with Master's Program		Schools with Doctor's Program		Total
		No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Bachelor's Degree	Total number of Schools Having No Faculty With Bachelor's Degree		1	2	1	12	5	3	24
	Total Number of Faculty with Bachelors	13		31	40	85	37	42	248
	Range (number faculty per school with bachelors)	1-4		2-11	1-18	1-15	1-7	1-11	1-18
	Median (number faculty per school with bachelors)	4		5	2	3	3	3	3
Master's Degree	Total number of Schools Having No Faculty With Master's Degree			1	1	1	2		5
	Total Number of Faculty with Masters	13	1	29	78	195	92	101	509
	Range (number faculty per school with masters)	2-7	1	2-8	1-17	1-17	1-16	1-23	1-23
	Median (number faculty per school with masters)	4	1	5	8	6	6	5	6

Question 25 cont'd.		Schools With No Prof Program	Schools with Bachelor's Program		Schools with Master's Program		Schools with Doctor's Program		Total
		No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Doctor's Degree	Total number of Schools Having No Faculty with Doctor's Degree	1		1		8			10
	Total Number of Faculty with Doctors	2	4	10	32	50	120	45	263
	Range (number faculty per school with) (doctors)	1-1	4	1-2	1-7	1-5	1-17	1-10	1-17
	Median (number faculty per school with) (doctors)	1	4	2	4	2	7	2	2.5
QUESTION 26. IS THE FACULTY ADVISORY LOAD CONSIDERED IN ASSIGNING TEACHING RESPONSIBILITY?									
Number Schools Checking Yes			1	5	9	8	7	6	36
Number Schools Checking No		3		4	1	22	9	7	46
[y] Percentage allowed for advising in schools answering yes	Range		2-4%	5-50%	5-25%	5-25%	7-25%	5-25%	2-50%
	Median			15%	20%	13.5%	12.5%	10%	15%

[y] This includes only those schools (a total of 23) that allow a definite percentage of faculty time for advising. The other 13 schools that answered Yes to the above question indicated one of the following types of responses: (a) It varies with individual faculty member; (b) Depends on load; (c) Somewhat; (d) For doctoral level only; (e) No set percentage; (f) For those teaching theory classes, but not for those teaching activity courses; (g) Up to department head.

PART IV RESEARCH

QUESTION 27. HOW MANY OF YOUR MEN FACULTY ARE CURRENTLY DOING RESEARCH?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools with 1 grad faculty man doing research				5	10	3	3	21
Number Schools with 2 grad faculty men doing research				4	7	3	7	21
Number Schools with 3 or more grad faculty men doing research				1		10	3	14
Number Schools with 1 other faculty man doing research					4	2	4	10
Number Schools with 2 other faculty men doing research	1		1	2	5	1		10
Number Schools with 3 or more other faculty men doing research				1	1	3	3	8

QUESTION 28. IS THE GRADUATE FACULTY RESEARCH LOAD CONSIDERED IN ASSIGNING TEACHING AND ADVISORY RESPONSIBILITY?	Schools With Master's Program		Schools With Doctor's Program		Total
	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes	5	4	8	6	23
Number Schools Checking No	5	26	8	7	46

Percentage of Time Allowed for Research. Of the 23 schools answering Yes, only 12 stated a definite percentage of time allotted ranging from 5 to 25% and a median of 15%. The other 11 schools answering Yes indicated that the time allotted was decided on an individual basis with no set percentage. One school has the policy that 30 credits of thesis advisement is equal to 25% of a teaching load.

QUESTION 29. ARE ALL FACULTY MEMBERS EXPECTED TO DO RESEARCH?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes			1	1	4	3		9
Number Schools Checking No	3	1	8	9	26	13	13	73

Note: Of the 73 schools answering No, a total of 13 qualified their answer by such phrases as follows: "No, but encouraged"; "No, but hope they do"; "No, Optional"; "No, desired but not required"; "No, but would like them to."

QUESTION 30. DO YOU HAVE MONEY FOR RESEARCH IN YOUR BUDGET?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes				6	2	10	1	19
Number Schools Checking No	3	1	9	4	28	6	12	61
30a. Amount Available per school in 1957-58 — Range				$200-$4734	$400-$1050	$300-$6560		$200-$6560
30a. Amount Available per school in 1957-58 — Median				$2000	$725	$2550		$2000
30b. Amount Available per school in 1958-59 — Range				$1500-$5382	$400-$1050	$1000-$4000		$400-$5382
30b. Amount Available per school in 1958-59 — Median				$5000	$700	$2250		$1500

Note: A total of 12 schools answering "No" indicated that no set amount was set aside for research but that some money, usually a limited amount, was available from a flexible physical education budget or from special university sources for specified projects. One school stated that they were working on this problem and two others hoped to get a research budget for 1958-59.

QUESTION 31. FOR WHAT PURPOSE IS MONEY IN YOUR RESEARCH BUDGET UTILIZED?

All but two schools answering "Yes" to question 30 checked the item of equipment, spending an amount that was from 2% to 100% of their research budget with the Median spent being 67.5%. A total of 11 schools used money for secretarial expense - range 6-20% and median 10%. Eight schools paid for statistical analysis - range 10-100% and median 22.5%. Other items for which research money was used are as follows: research assistants, facilities (laboratory), supplies, subjects, laborers, technicians, and travel.

QUESTION 32. HAS YOUR DEPARTMENT RECEIVED RESEARCH FUNDS FROM GOVERNMENTAL ORGANIZATIONS, PRIVATE AGENCIES, OR SPECIAL UNIVERSITY SOURCES IN THE PAST FIVE YEARS?	Schools With No Prof Program	Schools With Bachelor's Program		Schools With Master's Program		Schools With Doctor's Program		Total
	No Lab	Lab	No Lab	Lab	No Lab	Lab	No Lab	
Number Schools Checking Yes				4	1	12	4	21
Number Schools Checking No	3	1	9	6	29	4	9	61

Sources of Funds: Eight schools obtained money from special university sources such as Special University Research Grants, Graduate School Research Funds, University Research Department Funds, Research Council of the University, and the like. Other sources of research grants were secured from the following: State Health Association, Alumni Research Foundation, Federal Trade Commission, United States Air Force, Insurance Companies, Manufacturing Companies, National Heart Institute, Kellogg Fund on Health Education, Ford Foundation, State Department of Education, Public Schools, and U.S. Office of Health Education, and Welfare.

QUESTION 33. DO YOU HAVE A PHYSICAL EDUCATION RESEARCH LABORATORY?	Schools With No Prof Program	Schools With Bachelor's Program	Schools With Master's Program	Schools With Doctor's Program	Total
Number Schools Checking Yes		1	10	16	27
Number Schools Checking No	3	9	30	13	55

33a. WHEN WAS IT ESTABLISHED?

School with Bachelor's Program - 1955
Schools with Master's Program - 1 school 1923, 2 in 1951, in 1953, 1 in 1954, 2 in 1955, 2 in 1956, and in 1957.
Schools with Doctor's Program - 1 school in 1920, 1 in 1941, 2 in 1948, 2 in 1950, 1 in 1951, 3 in 1953, 2 in 1954, 1 in 1955, and 3 in 1957.

33b. HOW MANY ROOMS DOES IT HAVE?	Schools With Bachelor's and/or Master's	Schools With Doctor's	All Schools Combined
Range	1/2 - 4 rooms	1 - 7 rooms	1/2 - 7 rooms
Median	2 rooms	4 rooms	2 rooms
33c. WHAT IS THE APPROXIMATE OVERALL SIZE?			
Range	100 - 6500 sqft.	405-3800 sqft.	100-6500 sqft.
Median	1366 sqft.	2000 sqft.	1740 sqft.
QUESTION 34. HOW IS YOUR LABORATORY ADMINISTERED?			
Men's Dept. alone	6 schools	7 schools	13 schools
* Men's and Women's Depts. Jointly	2 schools	9 schools	11 schools
Physiology Dept.	1 school		1 school
Jointly by Health, Phy Ed Men, & Rec Depts	1 school		1 school

* This includes a unified department of men and women under one head as well as separate departments cooperating in a joint administration of the laboratory.

QUESTION 35. HOW MANY PEOPLE CARRIED ON RESEARCH IN YOUR LABORATORY FOR ACADEMIC YEAR 1957-58?	Schools With Bachelor's and/or Master's	Schools With Doctor's	All Schools Combined
Men Faculty	9 of 11 schools had from 1 to 2 men faculty using lab with a median of 1.	13 of 16 schools had from 1 to 10 men faculty using lab with a median of 3.	22 of 27 schools had from 1 to 10 men faculty using lab with a median of 2.
Men Graduate Students	9 of 11 schools had from 1 to 5 men graduate students using lab with a median of 2.	14 of 16 schools had from 2 to 80 men grad students using lab with a median of 12.	23 of 27 schools had from 1 to 80 men grad students using lab with a median of 4.
Women Faculty	1 school had 2 women faculty using the lab and another school 1.	7 of 16 schools had from 1 to 3 women faculty using the lab with a median of 1.	9 of 27 schools had from 1 to 3 women faculty using the lab with a median of 1.
Women Graduate Students	2 schools had 2 women graduate students each using the lab.	10 of 16 schools had from 1 to 30 women graduate students using the lab with a median of 3.	12 of 27 schools had from 1 to 3 women graduate students using the lab with a median of 2.5.
Other	1 school has a member of the Physiology faculty using the lab and 2 schools had undergrads also.	1 school had a member of the Zoology faculty, 1 school a member of the Music School faculty, and a third school a member of the Agriculture faculty using the lab.	

Note: One school with a doctoral program gave no figures on use of the lab other than to indicate it was used very heavily.

QUESTION 36. HOW MANY PEOPLE ARE INVOLVED WITH RESPONSIBILITY IN YOUR LAB?	Schools With Bachelor's and/or Master's Program	Schools With Doctor's Program
Full Time	1 school had 1 faculty and another 2 secretaries.	7 of 16 schools had personnel assigned to lab on a full-time basis as follows: 6 had 1 faculty each, 2 had 1 secretary, 1 had a technician, and another a statistician.
Part Time	10 of 11 schools had personnel assigned to lab on part-time basis as follows: 10 had 1 or 2 faculty each, 5 had 1 or 2 grad assts each, 1 had a secretary, 1 had 2 technicians, and another 1 technician.	15 of 16 schools had personnel assigned to lab on part-time basis as follows: 13 had 1 to 5 faculty (median 2), 13 had 1 to 10 grad assts or teaching fellows (median 2), 3 had one secretary each, 2 had a technician, and 1 a physician.

QUESTION 37. LIST IN ORDER OF EMPHASIS THE FIRST FIVE MAJOR AREAS OF EMPHASIS IN THE STUDIES CONDUCTED IN YOUR LABORATORY?

Three schools did not answer this question and one indicated their lab was just getting started and hence had none to date. Also many schools listed only one or two areas, not five. The responses were classified by this writer under four categories in the table below. The vast majority of studies have been conducted in the area of physiology, followed in turn by psychology, and kinesiology.

AREAS OF EMPHASIS IN LABORATORY RESEARCH[Z]

PHYSIOLOGICAL	PSYCHOLOGICAL	KINESIOLOGICAL	OTHER
8 Strength & Muscles	7 Learning	2 Kinesiological	1 Athletics
5 Physiological	1 Motivation	1 Sports Mechanics	1 Driver Education
5 Physical Fitness	1 Innate Capacities	1 Posture	1 Electronics
4 Fatigue	1 Behavorial		1 Nutrition
2 Endurance	1 Sports Psychology		1 Somatotyping
2 Human Power	1 Development of Special Abilities		1 Statistical Computations
2 Energy Cost	1 Growth and Development		1 Tests and Measurements
1 Effect of Exercise Programs	1 Reaction Time		1 Therapeutics
1 Head Injuries and Protective Equip.	1 Skills		
1 Longevity & Exercise	1 Emotional Responses		
1 Strength & Aging			
1 Human Performance			
1 Oxygen in Exercise			
1 Oxygen Debt			

Question 37 cont'd.

PHYSIOLOGICAL	PSYCHOLOGICAL	KINESIOLOGICAL	OTHER
1 Strength Instruments 1 Electro-Encephalographic 1 Gastro-Corornary Reflexes 1 Cardio-Vascular Adjustments 1 Ballistocardiograph Technique 1 Effect of Tobacco Smoke on Spontaneous Activity and Other Functions of the White Rat			

Z The number preceeding each study area represents the number of schools conducting research in this area.

QUESTION 38. HOW MUCH MONEY DO YOU ESTIMATE IT WOULD COST TO REPLACE THE EQUIPMENT THAT YOU NOW HAVE IN YOUR PHYSICAL EDUCATION RESEARCH LAB?	Schools With Bachelor's and/or Master's Program N = 11	Schools With Doctor's Program N = 16	All Schools With Labs N = 27
	Range = $800 to $50,000 Median = $8,000	Range = $500 to $75,000 Median = $12,500	Range = $500 to $75,000 Median = $10,000

Note: 4 schools indicated plans for establishing a laboratory in 1958-59.